

□if a English version is needed, please let me know□

A horizontal row of 15 empty rectangular boxes, likely used for a survey or form to indicate completion.

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图灵测试（Turing Test）是评估机器智能的一个标准。

自然科學研究論文發表在《Nature》、《Science》等頂尖學術期刊上。

A horizontal row of 30 empty square boxes, likely used for a survey or form where respondents can mark their answers.

A horizontal row of 24 small, empty rectangular boxes arranged in a single row.

A 2x10 grid of 20 empty rectangular boxes, arranged in two rows of ten.

17x17

AlphaGo Zero

□ 19x19 game

□□□□□□□□□□□□□□□□□□ game □□□□□□□□□□□□□□□□□□ game□

- 1)** AlphaGo Zero は superhuman の棋力を持つ

- 2) 中国房间论证** Chinese room argument 中国房间论证

- 3) 《自私的基因》(The Selfish Gene / The Immortal Gene)**

A decorative horizontal bar consisting of a series of small, evenly spaced rectangles.

1

word-embedding vector space knowledge graph

A horizontal row of 20 empty square boxes for writing responses.

“**三**”+**一**+**二**，**三**是天，**一**是地，**二**是人。

Technological Singularity AlphaGo Zero superhuman Quantum

Supremacy ဗိုလ်ချုပ်၏ အမြတ်ဆင့် အသေးစိတ် အကြောင်း ဖြစ်ပါသည်။

၁၁ AlphaGo Zero ၏ Superhuman ၏ Quantum Supremacy ၏

၁၁ Nature ၏ အမြတ်ဆင့် အသေးစိတ် အကြောင်း ဖြစ်ပါသည်။

AlphaGo Zero ၏ Nature ၏ superhuman ၏ အမြတ်ဆင့် အသေးစိတ် အကြောင်း ဖြစ်ပါသည်။ game ၏ အမြတ်ဆင့် အသေးစိတ် အကြောင်း ဖြစ်ပါသည်။

game ၏ အမြတ်ဆင့် အသေးစိတ် အကြောင်း ဖြစ်ပါသည်။

Shor’s algorithm Quantum Supremacy

qubit NISQ noisy intermediate-scale quantum

Quantum Supremacy Sycamore NISQ noise noise noise

Sycamore AlphaGo Zero

Quantum Supremacy noise noise noise

Sycamore Sycamore 200 10000

Quantum Supremacy NISQ John Preskill [3]

Quantum Supremacy Quantum Supremacy Quantum Supremacy Quantum Supremacy Nature

optimization machine learning NISQ noisy Sycamore

noisy

Nature Superhuman Quantum Supremacy

tensor [4]

AlphaGo Zero Superhuman Quantum Supremacy “”

10

A horizontal row of 12 empty rectangular boxes, likely used for a survey or form to indicate a scale or count.

Académie française

A horizontal row of 30 small, empty rectangular boxes arranged in a single row.

Superhuman Quantum Supremacy phrase 量子霸权

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智能手机 smart phone 智能手机
智能手机 niche market 尼切市场

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[1] Mastering the game of Go without human knowledge, Silver D., Schrittwieser J., Simonyan K. et al, published in Nature, on 18 October 2017:  
<https://www.nature.com/articles/nature24270>.

[2] Quantum supremacy using a programmable superconducting processor, Arute F. et al, published in Nature, on 23 October, 2019:  
<https://www.nature.com/articles/s41586-019-1666-5>

[3] <https://www.quantamagazine.org/john-preskill-explains-quantum-supremacy-20191002/>.

[4] Dialogo sopra i due massimi sistemi del mondo (Dialogue Concerning the Two Chief World Systems), Galileo Galilei, published in 1632.